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U.S./Central European Agricultural Library Roundtable

Information Transfer in a Global Economy: Forging New Connections

November 12-20, 1991
Beltsville, Maryland, U.S.A.

Sponsored by:
National Agricultural Library,
U.S. Department of Agriculture (USDA)

in cooperation with the

Office of International Cooperation and Development, USDA
and the Associates of the National Agricultural Library

The National Agricultural Library maintains formal and informal relationships with libraries and information centers throughout the world. Cooperative and exchange programs are at the heart of these relationships. Political and economic changes both here and in other nations affect these programs in multifarious ways. Networking and other cooperative programs address the political and economic changes in the U.S.

After the intense political and economic evolution of recent years in the nations of central and eastern Europe and other parts of the world, the administrative staff of the National Agricultural Library realized that a great variety of changes were occurring or should occur in the Library's relationships with related institutions in those countries. Since all of these relationships had a number of common characteristics, and since problems, needs, and priorities were likely to have common characteristics, the roundtable approach to developing the future of these relationships was adopted.

Planning began in 1990 for the first roundtable session at NAL. A prototype was developed, and several nations from Central Europe* were invited to participate. Interest has been expressed also by the nations which were the republics of the Soviet Union, the nations of Central and South America, and others. What follows is a collection of documents and information segments related to the initial roundtable meeting and follow-up activities. These documents were prepared by Maria Pisa, Assistant Director for Policy and Planning and NAL project coordinator, in cooperation with other NAL staff.

—Joseph N. Swab

*Note: In previous documentation and correspondence related to this roundtable the geographic term *Eastern European* was used. In this ALIN issue and in future documentation and correspondence the term *Central European* will be used.

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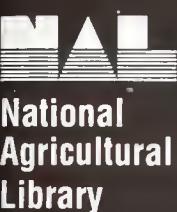
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Agricultural
Libraries
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Notes



U.S. Department
of Agriculture
Beltsville, MD
20705-2351

Volume 18
Number 3/4

March/April 1992

ISSN: 0095-2699

The following is the original proposal (slightly edited) prepared by Maria Pisa, Assistant Director for Policy and Planning, NAL, to initiate the U.S./Central European Agricultural Library Roundtable.

U.S./Central European Agricultural Library Roundtable

"Information Transfer in a Global Economy: Forging New Connections."

Central European Participants: Invited participants from the Central European countries of Bulgaria, Czechoslovakia, Hungary, Poland, Romania, and Yugoslavia, including: 1) the director of the national agricultural library (or equivalent institution), and 2) the level above the director.

U.S. Participants: National Agricultural Library senior staff; representatives of the U.S. agricultural library and information network.

Purpose: The roundtable was intended as a first step in the process to begin creatively to address how best to forge and strengthen organizational linkages and to enhance international cooperation, communication, and coordination between the U.S. agricultural library and information network and the agricultural library and information infrastructures within Central Europe to ensure fluid and cost-effective access to information.

Rationale: The roundtable brought together representatives of the national agricultural libraries (or equivalent) in Central Europe, their U.S. counter-parts, and representatives of other U.S. agricultural information organizations to begin to explore better mutual ways to provide agricultural information to researchers, policymakers, educators, students, farmers, and other specialists by: a) strengthening existing avenues; and b) expanding the use of technologies.

Access to information is vital to the continuing advancement of the food and fiber system. Recent world events have further emphasized the need for strengthening the global dimensions of library and information systems and resources. The development of new strategies and approaches to help keep abreast of the continuing internationalization of scientific and technical information are needed.

International contacts and collaboration are essential to ensuring the continued flow of scientific and technical information. Each year thousands of scientific and technical articles, reports, books, patents, proceedings, software, databases and other materials are published and/or produced in agriculture and its related disciplines. These materials are useful only if a) their existence is known to potential users of the information, and b) if the material can be obtained in a reasonable amount of time and at a reasonable cost.

In recent years, electronic technologies have offered revolutionary new opportunities for networking information. Although remarkable strides have been made in the use of these technologies to improve the collection, processing, and dissemination of information, their ultimate potential remains largely untapped.

Immediate Objectives: During the course of the roundtable, participants initiated discussions to:

- Learn what information systems, programs, and other resources are available within each country, who has access to them, and how they might be implemented globally.
- Review, renew, and/or augment existing relationships and agreements between NAL and Central European libraries especially in the area of publications exchange and document delivery.
- Promote the sharing of promising new ideas in networking, through the use of new technologies, that can accelerate the delivery of scientific and technical information to scientists and other users.
- Explore possibilities for collaborative relationships in information gathering and the development of information products that provide libraries and information centers with a greater capacity to deliver value-added services to end users.

Long-Term Objectives: The long-term objectives of the roundtable are to set in motion a continuing dialogue that will:

- Explore existing and developing information programs and other resources within each country that can be shared and/or adapted.
- Encourage the transfer of effective and appropriate programs, strategies, and resources, especially as they relate to the use of advanced information technologies to



photo: J. Swab

European participants in the roundtable included (L-R) Ms. Isijanov (Yugoslavia); Mr. Popov (Bulgaria); Ms. Demetrovici and Ms. Goia (Romania); Dr. Rasinski and Dr. Krajewski (Poland).

develop information access, retrieval, and delivery systems that facilitate learning and problem solving in agriculture and the natural resources.

- Develop cooperative programs to identify, organize, and provide access to information resources nationally and internationally so that resources are available regardless of the location of either the user or the information product.
- Seek methods of information gathering that systematically identify centers of excellence, scientific expertise, and current research within each respective country.
- Pursue joint funding of new collaborative information research and development programs in priority program areas of mutual interest and concern.

Benefits to U.S. Agriculture and/or Forestry: The benefits to U.S. agriculture in convening a roundtable on information transfer in a global economy include:

- Gaining a working knowledge of the institutional infrastructure which drives the information system within each country and how best to access it to speed the acquisition and delivery of critical information to the U.S. agricultural community.
- Establishing, expanding, and strengthening organizational networks that will facilitate future information transfer activities.
- Beginning to identify unique bibliographic and non-bibliographic databases as well as other valuable information collections necessary to the work of agriculturalists in the U.S. and that are presently unavailable.
- Assisting, through increased cooperation with the international library and information sector, the U.S. agricultural research, education, and business communities in regaining and sustaining international competitiveness by assuring an effective information base.

Benefits to Cooperating Countries: The roundtable benefits the Central European libraries and ultimately the users of agricultural information within these countries in several ways including:

- Providing opportunities for librarians and information specialists to interact with U.S. colleagues and resident information experts.
- Gaining a working knowledge of the national agricultural

GOALS

- Gain a better understanding of the current status of agricultural libraries and information within our respective countries.
- Get a better sense of what future challenges we each face in accessing and delivering agricultural information.
- Define priority issue areas that should be addressed to help ensure cost-effective and fluid access to agricultural information.
- Explore various models for developing collaborative relationships.
- Develop strategies for garnering greater support for initiatives in agricultural information.

library and information infrastructure of the United States.

- Observing interrelationships of a networked system of delivering information among NAL, field libraries, land-grant libraries, special libraries, and Extension through site visits to representative locations in the U.S.
- Observing libraries and information management systems in the United States and how they could be adapted to meet local needs.
- Defining the critical information needs of each country and beginning to address how the U.S. can be of assistance.

Plans for Disseminating/Using Results of Joint Activity: Results of the roundtable are being disseminated for discussion and support to various organizations including selected USDA agencies, the U.S. Agricultural Information Network (USAIN), other appropriate library and related institutions, and funding organizations. The report serves as a working document to plan future collaborative efforts further and to obtain needed funding to carry out recommendations.

Representatives from participating countries prepared a presentation about the agricultural library and information system in their countries; the proceedings of the roundtable will be published.



photo: J. Swab

The remaining European participants in the roundtable included (L-R) Dr. Gyürk and Mr. Szabó (Hungary); Dr. Miniberger, Dr. Hoch, and Dr. Svorenová (Czechoslovakia).

Excerpts from Mr. Howard's "Remarks to Convene the Roundtable"

Tuesday, November 12, 1991

Thank-you and again welcome to the National Agricultural Library and the first U.S./Central European Agricultural Library Roundtable.

The theme of this Roundtable is "Information Transfer in a Global Economy: Forging New Connections." Although I know it is cliché to say that information is power, it is nevertheless a wonderfully accurate axiom.

Information management, dissemination, and utilization are critical components of all aspects of the agricultural enterprise. Basic information management combined with state-of-the art technologies and delivery systems can help ensure that researchers, educators, and policy makers worldwide have access to the collective knowledge of the world.

Some remarkable strides have been made in networking agricultural information in recent years, but there is still a long way to go. Communications have progressed to the point where nearly every corner of the world is readily accessible to every other corner of the world, yet for many "information-isolation" remains a daily problem.

Part of what we hope to accomplish during the Roundtable is to adopt a more global perspective for establishing a library and information agenda that will successfully address the economic and technological challenges of a changing world order.

Seated at the "round" table each day will be our colleagues from Central Europe, the National Agricultural Library's Associate Directors (or their designates), guest speakers, program organizers, and myself. Many of the sessions will be open which means they will be observed by the National Agricultural Library staff and other interested persons.

SHORT-TERM OBJECTIVES

- Learn what information systems, programs, and other resources are available within each country, who has access to them, and how they might be implemented globally.
- Review, renew, and/or augment existing relationships and agreements between NAL and Central European libraries especially in the area of document exchange and document delivery.
- Promote the sharing of promising new ideas in networking through the use of new technologies that can accelerate the delivery of scientific and technical information to scientists and other users.
- Explore possibilities for collaborative relationships in information gathering and the development of information products that provide libraries and information centers with a greater capacity to deliver value-added services to end users.

This Roundtable is intended as a first step in the process to begin creatively to address how our respective library and information communities can join forces to establish a global information network that will benefit world agriculture. To this end, I hope we can keep our sessions together as informal as possible to encourage dialogue and the open exchange of ideas.



photo: J. Swab
Joseph Howard



photo: J. Swab
Maria Pisa

U.S./Central European Roundtable Abstracts of Presentations

Edited by Donald L. Blamberg and Maria Pisa for the Roundtable "Program"; edited for ALIN by Joseph Swab.

Tuesday, November 12, 1992

**"Welcome and Introductions; Convene Roundtable,"
Joseph H. Howard, Director, National Agricultural
Library, U.S. Department of Agriculture**

(See "Excerpts from Mr. Howard's 'Remarks to Convene the Roundtable'" above.)

**"Conference Objectives," Maria G. Pisa, Assistant Director
for Policy and Planning, NAL**

(See boxes on pages 3, 4, and 5.)

**"The Development of the United States Agricultural Infor-
mation Network (USAIN)," Elaine
Albright, Dean of Cultural Affairs
and Libraries, University of
Maine; Chair, Legislative Com-
mittee, USAIN**



photo: J. Swab
Elaine Albright

Discusses the formation of USAIN, the United States Agricultural Information Network, created in 1988 to provide a forum for discussion of agricultural issues, to take a leadership role in defining national information policy as related to agriculture, and to make recommendations to NAL on agricultural information matters.



photo: J. Swab
Pamela André



photo: J. Swab
Keith Russell



photo: J. Swab
Sarah Thomas



photo: J. Swab
Essex Finney



photo: J. Swab
Ed Poe

"The National Agricultural Library of the United States," Joseph H. Howard, Director, NAL; Pamela Q. J. André, Associate Director for Automation; Keith W. Russell, Associate Director for Public Services; Sarah E. Thomas, Associate Director for Technical Services

With a collection of over 2 million volumes, NAL is the largest agricultural library in the world. One of three U. S. national libraries, it is also the coordinator and primary resource for a national network of State land-grant and field libraries. In its international role, NAL serves as the U. S. center for the international agricultural information system. Presentations by NAL senior staff review present initiatives and examines challenges the Library faces as it seeks to improve world-wide access to information. Staff gave tours of NAL and new technology demonstrations throughout the 2-week program.

"The Beltsville Agricultural Research Center," Essex E. Finney, Jr., Director, Beltsville Area, Agricultural Research Service, USDA

The Beltsville Agricultural Research Center (BARC) is among the largest and most diversified agricultural research complexes in the world. The Center began in 1910 when the U.S. Department of Agriculture purchased a 457-acre farm about 15 miles northeast of Washington, D.C., to conduct research on animal husbandry, dairy, and animal diseases. Today, more than 2,500 USDA employees work in Beltsville in about 800 buildings, and more than 7,000 acres of land are used for research activities. A tour of BARC followed.

Reception – Special Libraries Association (SLA)

Roundtable participants were guests of the Association for the opening reception of its State-of-the-Art Institute on Eastern Europe.

Wednesday, November 13, 1991

"The International Association of Agricultural Information Specialists (IAALD)," Joseph H. Howard, President, IAALD

Focuses on the activities of the IAALD, established in 1955, to promote and advance public education and information transfer in agricultural development and production.

"Joint Ventures in Publishing," Edgar A. Poe, Chief, Publishing Division, Office of Public Affairs, USDA

Discusses a precedent-setting joint publication project between the USDA and the Soviet Union.

"Information Policy of the ÚVTIZ in New Conditions of the CSFR," Bohumil Miniberger, Director, Institute of Scientific and Technical Information for Agriculture (ÚVTIZ), Prague, Czechoslovakia

ÚVTIZ is a sectorial information center directed by the Federal Ministry of Economy, the Division for Agriculture. One of its main tasks is to acquire primary global bibliographic resources, primarily specialized magazines, symposia and conference proceedings, reports of research work, trade literature, and dissertations. It processes these resources for use in the CSFR. ÚVTIZ is comprised of several divisions—the most significant of which is the Central Agricultural and Forestry Library with its primary resources; from these, secondary information is processed and loaded into the AGRIS



photo: J. Swab
Bohumil Miniberger

LONG TERM OBJECTIVES

Set in motion a continuing dialogue to:

- Explore joint development of library and information programs that facilitate learning and problem solving in agriculture and the natural resources.
- Encourage the development and transfer of advanced technologies to enhance information access, storage, and delivery systems.
- Develop cooperative programs to identify and provide access to collections so that they are available to all users regardless of their location.
- Seek methods of information gathering that systematically identify centers of excellence, scientific expertise, and current research within each country.
- Pursue joint funding of new collaborative information research and development programs of mutual interest and concern.



photo: J. Swab
Ivo Hoch



photo: J. Swab
Andrejka Svorenová



photo: J. Swab
István Gyürk



photo: J. Swab
Sándor Szabó



photo: J. Swab
Jerzy Rasinski

database, which is processed in the Czech and Slovak languages and serves both the Czech and Slovak Republics. It is available through an online system supported by an IBM-type, main-frame computer. Another division, the Study Department, processes analytical studies which are then sold.

"The Activities of the Central Agricultural and Forestry Library," Ivo Hoch, Director, Central Agricultural and Forestry Library, Prague, Czechoslovakia

When considered on the basis of its funding, the Central Agricultural and Forestry Library, a part of ÚVTIZ, is one of the largest agricultural libraries in the world. There are presently about 1,100,000 volumes in the library collections, composed as follows: 741,000 books, about 1,200 journals, 25,000 volumes of trade literature. Users are primarily students, scientists, research workers, and farmers. Services consist of lending, photocopying, and bibliographic services, as well as bibliographic publications. A project on library automation is in progress. The library cooperates and exchanges literature with 1,200 partners in 60 countries. It is an IAALD member and has recently submitted an applica-

tion for membership in AGLINET. Reflecting present changing conditions, the library is emphasizing information sources on the development of the private sector within Czechoslovak agriculture.

"The Organization of Delivery of Scientific, Technical, and Economic Information to the Sector of Agriculture in the Slovak Republic," Andrejka Svorenová, Library Chief, Institute of Scientific and Technical Information for Agriculture, Nitra, Czechoslovakia

The hub of agricultural production and education, and the center of scientific and technological information dissemination relevant to Slovak agriculture is Nitra, located in the southwestern part of Slovakia. In Czechoslovakia, information is provided by two systems: 1) the Unified System of Libraries; and 2) the System of Scientific, Technical, and Economic Information. The central library of the Unified System of Libraries is the Slovak National Library of the Matica Slovenska in Martin. In recent years, Matica Slovenska has concentrated its research effort on the development of a network-like system designed to optimize information management using state-of-the-art technology. Preeminent among the libraries of the agricultural sector is the Slovak Agricultural Library in Nitra, founded in 1946, which also serves as the library for the University of Agriculture. It contains more than 500,000 volumes and special documents that are made available to scientists, educators, students, and the general public.

The principal institution in the network of information centers is the Center for Scientific, Technical, and Economic Information, founded in 1966 in Prague. The center focuses its activities on research and evaluation of the network's performance. The Central Technical Base, established in 1972, concentrates vast information sources in the form of machine-readable databases and facilitates access to all important world databases. The principal database center for the agricultural sector is ÚVTIZ in Prague, with its branch office in Nitra, and the branch Division of Information Services and AGRIS Input Center in Bratislava. The branch office in Nitra provides a total array of library and information services to all individuals associated with agriculturally-related science and technology. Additionally, Institute staff provides analytical reports used for forecasting and policy development by the Ministry of Agriculture and Nutrition.

A second level of information centers in the network is comprised of 42 subject-specialized units, existing mostly in



At the reception for the Special Libraries Association "State-of-the-Art Institute on Eastern Europe," Dr. Miniberger (L) and Dr. Svorenová (R) converse with SLA members.



Karol Krajewski

photo: J. Swab



Letitia Goia

photo: J. Swab



Laura Demetrovici

photo: J. Swab



Dusanka Isijanov

photo: J. Swab



Anastas Popov

photo: J. Swab

research institutions. At the lowest level of the vertical information structure are found the basic information centers existing at the level of agricultural enterprises. An important goal is to improve the information activities of these units.

"Challenge for the Hungarian Agriculture: A New Information Infrastructure," István Gyürk, General Director, Science and Education, Ministry of Agriculture, Budapest, Hungary

The recovery of the Hungarian national economy can be characterized as a smooth and rapid change into a modern market economy. Agricultural production, being a complicated system, is in a unique situation.

The change of ownership and organizational framework of farming encompasses the entire spectrum of agricultural activity, from the initiation of flowering to the final output of processed foods and fibers. A key transitional element in the agricultural structure is the acceleration of scientific and technical progress. This assumes the modernization of various components of production. In the course of modernization, we will use more up-to-date inputs (materials, technical facilities, more productive plant varieties, and animal breeds). Greater expertise, improved and more rapid access to scientific and technical results, as well as intensification of knowledge and technology transfer, will be of great importance during this transitional period. The development of an information infrastructure will enable us to become integrated into the information, scientific, and technological systems of the world.

"The Present and the Future of the Hungarian Agricultural Special Library and Information Services: Results and Problems," Sándor Szabó, Director, National Agricultural Library, Budapest, Hungary

Describes the historical evolution of the Hungarian special library systems, also serving forestry and the food industry. Also considers the development of scientific and technical information services related to agriculture and the role of the Hungarian National Agricultural Library in this system. Discusses the relationship between economic circumstances and library service, international and national influences on progress in information technology, and the role of international relations in the Hungarian agricultural library system. Examines the impact of the new economic policy on further development of scientific and technical information services. Concludes with consideration of trends in the cooperation of international agricultural libraries.

"Central Agricultural Library and Information System for Food Economy in Poland," Jerzy Rasinski, Director, Central Agricultural Library, Warsaw, Poland, and Karol Krajewski, Director, Department of Science, Education, and Progress, Ministry of Agriculture and Food Economy, Warsaw, Poland

The Central Agricultural Library (CAL) was reorganized in 1955. Holdings of CAL in Polish and foreign languages currently total over one-half million volumes about equally divided between books/monographs and periodicals. The library



photo: J. Swab

Following the SLA reception Joseph Swab and Robyn Frank of NAL gave the Central Europeans a night tour of major Washington, DC, monuments and architectural sites, including the Lincoln Memorial. (L-R) Dr. Gyürk, Dr. Rasinski, Dr. Miniberger, Dr. Svorenová, Dr. Krajewski, Mr. Popov, Mr. Szabó, and Dr. Hoch.



Susan Jurow
photo: J. Swab



Alex Gilchrist
photo: J. Swab



Mary Boone
photo: J. Swab

**Thursday, November 14 through
Sunday, November 17, 1991**

Field Trip to Virginia Polytechnic Institute & State University (VPISU), Blacksburg, Virginia, and weekend activities.

Tour of Newman Library; demo of VTLS system; tour of college facilities, departments, selected laboratories, and farms; walking tour of campus; various social events.

Monday, November 18, 1991

**"Agricultural Higher Learning Libraries:
Present and Hope," Letitia Goia, Director,**

**University of Agricultural Sciences Library, Cluj Napoca,
Romania**

The Library of the University of Agricultural Sciences (formerly the Institute of Agronomy) Cluj-Napoca was founded in 1869. The collections have resulted from the teaching staff's donations, acquisitions, and national and international exchanges. It now has approximately 200,000 volumes. Most of the acquisitions from abroad were made from 1965 until 1975; thereafter funding steadily decreased and in 1981 ceased altogether. There were some opportunities to obtain publications from the Soviet Union and the socialist countries. The first steps to introduce computers into the library activity were made by the agricultural higher education libraries some years ago, but essential components were missing or inadequate: hardware, software, funding for periodical subscriptions and for acquiring books, photocopying equipment; indeed, the building was unsatisfactory. Cooperation with other countries is based upon the exchange of publications agreements, but, now, with the higher the prices of paper and printing, there are fewer opportunities to maintain these agreements. It is hoped the Roundtable will forge new answers and connections.

functions as a center of source material processing, information dissemination, and material distribution. Users are primarily researchers affiliated with universities and research institutes. The Information System for Food Economy (SIGZ) was developed in accordance with the rules of a scientific system of information. The subject scope of the system was defined on the basis of information contained in "A Concept of Agribusiness" by R.A. Goldberg and J.H. Davis (1957). Three areas of food economy are included: a) agricultural supply and food industry with means of production and services, the so-called "supply aggregate;" b) production of primary agricultural products (raw materials), the so-called "farming aggregate;" and c) food processing and distribution, the so-called "processing and distribution aggregate." Twenty-eight documentation centers cooperate in preparation of input for an automated database. The database increases at the rate of about 15,000 records per year. A specialized thesaurus is used in preparation of input. The system produces the following products: a) the Polish Agricultural Bibliography (national bibliography); b) current subject bibliographies; and c) retrospective bibliographies. SIGZ is supported by two software packages. They are ISIS 4.6 and Micro ISIS 1.0. The system uses its own IBM PC microcomputers. The database is maintained on a larger IBM computer owned by the service unit. Field subsystems have been established within the main system. At present, the agricultural engineering subsystem is operational. The following subsystems are in the design phase: soil cultivation and fertilizer application, animal husbandry, plant protection, and forestry.

Thursday, November 14, 1991

"Drafting of a Joint Needs Assessment and Action Plan," Susan Jurow, Director, Office of Management Services, Association of Research Libraries

Led by facilitator Jurow, Roundtable participants engaged in an exercise to define needs, establish priorities, identify possible collaborative efforts, and recommend next steps. (See box on page 12.)



photo: D. Starr

Paul M. Gherman (L), University Librarian, Virginia Polytechnic Institute & State University (VPISU), speaks to the roundtable participants led by Maria Pisa (4th from left) and Karl Schneider (R) of NAL Reference.

"Activities of the Agricultural Library of the University of Agricultural Sciences of Banat in Timisoara: Achievements and Needs," Laura Demetrovici, Director, University of Agricultural Sciences Library of Banat, Timisoara, Romania

Describes the working methods and techniques used at the Library of the University of Agricultural Sciences of Banat-Timisoara, focusing on the efforts of disseminating agricultural information in the western part of Romania. Shows the library's sections and their mutual effort to collect and disseminate information. Attention focuses on procedures in use since the late 1970's, the coordinated indexing process, which was available from the early 1970's until 1989 despite the totalitarian system which considered culture as being dangerous, and the need to find other ways of gathering information, especially exchange. Discusses acquisitions, processing, bibliographic activity, and documentation. Concludes by identifying the library's needs and by presenting some ideas for improving the agricultural libraries and the entire information system in Romania, which is now at the beginning of a total reorganization.

"The Matica Srpska Library and the Library Information System in Yugoslavia," Dušanka Isijanov, Assistant Director, The Matica Srpska Library, Novi Sad, Yugoslavia

The Matica Srpska, a society for cultural promotion, was founded in 1826 in Budapest. In the society, a gallery, a publishing house, a library, and a museum were formed. The



Rory O'Sullivan and Jerry Walker



John Becker

Matica Srpska Library (MSL) is now one of eight Yugoslav national libraries receiving a copy of each Yugoslav publication: books, journals, newspapers, records, posters, labels, etc. Apart from the legal deposit, it receives a lot of books from donors, exchanges books and journals with 200 foreign and 100 Yugoslav libraries, receives an FAO and UNESCO deposit of books, journals, and documents, and buys publications for an annual acquisition of 134,000 publications. MSL is well known for its valuable collection of old and rare books and newspapers. It holds 800,000 books, 26,000 journal titles and 360,000 units in special collections. Online searching of databases from several hosts: DIALOG, DATA STAR, ESA, BLAISE, and European Economic Community is possible. MSL holds a complete collection of Citation Indexes (SCI, SSCI print/CD, A&HCI, ISTP, ISBC, CompumathCI). Number of users per year is 50,000. Since Yugoslavia does not have a national agricultural library, the

Yugoslav part of the international AGRIS database, about 1,000 records per year, is produced in the MSL, which is situated in Vojvodina, the agricultural region of Yugoslavia. Since 1988, national libraries and Yugoslav bibliographic institute with 40 other academic and public libraries, are cooperatively producing JUBIB, a Yugoslav bibliographic database. JUBIB contains records of books, journals, journal articles, doctoral theses, scientific projects, musical records, geographic maps, i.e., all publications which national librarians hold. JUBIB contains 500,000 records. The database is updated online daily. Besides the shared cataloging, software supports interlibrary loans and online searching. The Yugoslav Ministry of Science financed the initial equipment and the host system. The computer center (IZUM) is responsible for development and maintenance of the system. All libraries are using VAX equipment/VMS system and JUPAK.



photo: D. Starr

In addition to visiting library and computer centers at VPISU, the roundtable toured the departments doing research related to agriculture, including aquaculture. Dr. Louis A. Helfrich, Professor of Fisheries & Extension Specialist (3rd from left) and Dr. James R. Nichols, Dean, College of Agriculture and Life Sciences (8th from right), led this part of the tour. Maria Pisa and Robyn Frank of NAL (4th & 5th from right) accompanied the Europeans.



photo: J. Swab
Mark Andrews



photo: J. Swab
Bob Bergland



photo: J. Swab
E. (Kika) de la Garza

"U.S. Department of Agriculture Activities in Eastern Europe," Alex Gilchrist, Eastern European and Soviet Secretariat, Foreign Agriculture Service, USDA

The Eastern European and Soviet Secretariat was formed last year to respond to the rapidly changing conditions in Eastern Europe and the Soviet Union. The Secretariat has an overall coordinating role with the following functions: maintain full information on all USDA activities in the region; work with all interested USDA offices to develop and maintain a USDA strategy for the region and its countries; ensure coherence/avoid duplication in the activities of various USDA agencies with respect to the region and individual countries of Eastern Europe; work with other U.S. Government agencies on East European affairs, particularly the government-wide coordination effort headed by the Deputy Secretary of State; and provide a point of contact for private agricultural and agribusiness organizations and individuals with an interest in Eastern Europe.

"Library and Information Development Projects in Eastern Europe," Mary Boone, Library Programs Division, United States Information Agency (USIA)

Provides an overview of USIA library and information programs abroad, including Eastern Europe. USIA, known overseas as the U.S. Information Service, is responsible for the U.S. Government's overseas information and cultural programs, including Voice of America.

"Dissemination of Agricultural Information Under Conditions of Market Economy," Anastas Popov, Director, Information Department, Ministry of Agriculture and Food Industry, Sofia, Bulgaria

(Translated from German and presented by Sarah Thomas, NAL; abstract by Donald L. Blamberg, NAL)

This communication encompasses two themes: 1) an analysis of the present state of Bulgarian agriculture, together with proposed policies for agrarian reform, and 2) the past, present, and projected computer applications in the dissemination of agricultural information. Discusses the

main characteristics of new economic policies and the necessity for accelerating agrarian reform and decentralizing the reform process. Discusses the market economy, development of a credit system, and the shortage of reliable information for development of agribusiness. Discusses the roles computers and agricultural information networks will play in the future of Bulgarian agriculture. Shows the management of agricultural information from the earliest computer applications through today's technologies, including the application of scanning to data input facilitation. Presents specific proposals for information sharing between the Bulgarian Ministry of Agriculture and USDA.

Tuesday, November 19, 1991

"The Funding Perspective," Rory C. O'Sullivan, Agriculture and Industry Operations—Central Europe, World Bank; John Becker, Agriculture Trade Investment Specialist, Agency for International Development; Jerry Walker, Office of International Cooperation and Development, USDA

Speakers representing donor organizations discuss agricultural development initiatives in Central and Eastern Europe that are underway and/or anticipated and comment on how agricultural library and information technology programs might be integrated into these and other development projects.

"Overview of Library of Congress Activities in Eastern Europe," followed by Tour of the Library of Congress

Tour of the U. S. Capitol



photo: J. Swab
Carl Fleischhauer (right) of the Special Projects Office, Library of Congress, presents historical materials preserved and made accessible for use on optical and digital disks to the European participants in the roundtable.

Reception hosted by the Associates of the National Agricultural Library, Longworth House Office Building, Washington, DC.

Addressing the assembly were Mark Andrews, Chairman of the Associates Board of Directors; Bob Bergland, Vice-Chairman of the Associates Board of Directors; and Representative E. (Kika) de la Garza, Chairman of the Committee on Agriculture.

Wednesday, November 20, 1991

Wrap Up and Closing Remarks followed by a Tour of the National Library of Medicine

Joint Program of Cooperation

I. Introduction

In recognition of the cooperation begun at the first U.S./Central European Agricultural Library Roundtable held in Beltsville, Maryland, November 12-20, 1991, the parties plan to join together to enhance access to agricultural information on a national and international scale both within their respective countries and between each other.

It is the intention of the parties that the increased information resulting from this Joint Program of Cooperation will be for the benefit of the entire agricultural community in each of the participating nations, and for the general benefit of their people.

II. Purpose

The purpose of this Joint Program of Cooperation is to outline general areas of interest (not necessarily all inclusive) that would serve as a long-range agenda for further discussions and negotiations.

III. Areas of Mutual Interest

1. Planning and joint preparation of proposals targeted toward improving access to and dissemination of agricultural information. Critical issues areas to be addressed include networking and resource sharing, automation, and training.
2. Continued, expanded and improved exchange of agricultural publications and other materials.
3. Exchange of personnel to provide research and consultation for the advancement of agricultural information systems and services worldwide.

4. Cooperation in producing technology-based information systems and products on subjects of mutual interest.

5. Translations of selected publications — perhaps on the basis of the exchange for different products but of equal worth.

6. Assessment of training and professional development programs needed to meet the library and information needs of each institution.

7. Utilization of NAL's full-text digitizing capabilities to digitize page images and searchable text of important publications, and preparation of CD-ROM's for distribution of the text.

8. Increased cooperation in document delivery including strengthening and expanding interlibrary loan arrangements.

9. Pursue new ways to transmit full text using new technologies.

10. As appropriate, explore with FAO the possibility of designating AGLINET (Agricultural Libraries Network) Centers.



Roundtable participants, led by Robyn Frank (right) and other NAL staff, ride on the subway from the Senate office buildings to the U.S. Capitol.



Mark Andrews, Chairman of the Associates of NAL, Congressman Kika de la Garza, and Dan Sherman, Executive Director of the Associates, confer before the program at the reception held by the Associates at the Longworth House Office Building.

11. Cooperation in the production of electronic publications and the expansion of literature exchanges.

12. Central European participation in the compilation and maintenance of the World List of Agricultural Serials.

13. Improvement in the coverage of American and Central European publications in the AGRIS database.

14. Jointly pursue opportunities for funding of collaborative projects.

15. Funds permitting, convene periodic meetings between appropriate staff in both countries to encourage ongoing dialogue and action on topics of mutual concern.

IV. Duration

This Joint Program of Cooperation shall become effective upon the date of final signature and shall continue in effect for five (5) years.

NOTE: The above document, "Joint Program of Cooperation," consists of excerpts from a proposed agreement sent after conclusion of the roundtable to all of the Central European institutions represented in the roundtable. It also included a list of institutions, and a form for signatures

Asian Pacific American Heritage Month Exhibit

In celebration of Asian Pacific American Heritage Month, NAL's EEO (Special Emphasis) Program has prepared an exhibit of materials from China, India, Indonesia, Japan, Korea, Nepal, Pakistan, Philippines, Thailand, Tibet, Vietnam, and West Java. The exhibit can be viewed from May 1-29, 1992, in the NAL lobby on the 1st Floor and in the Special Collections Reading Room on the 14th Floor (2 exhibit cases in the latter). The National Agricultural Library is located at 10301 Baltimore Boulevard (Route U.S. 1), Beltsville, Maryland. There is a visitors' parking lot accessible from both Baltimore Boulevard and Rhode Island Avenue.

—Joseph N. Swab

Results of Joint Needs Assessment and Action Plan for Agricultural Libraries and Information

Conducted by Susan Jurow, Director,
Office of Management Studies,
Association of Research Libraries

November 14, 1991

Problem Census

Computer experts
Money
People don't want to read
Technology—telecommunication—
software
Selection expertise
Organization must change
Staff problems—skills, numbers
Standards—for communications,
thesaurus
Library in larger context
Space
Cost of materials
Time—urgency
Preservation
Access to trade catalogs
No national vision—consensus on
mission

Communication and collaboration
between libraries
User fees—fund raising
Marketing
Political/social environment
No central library
Evaluation—automated systems
No copyright deposit
Usage & users needs—uninformed
Language barriers
Staff development
Acquisition of foreign materials

Agricultural Information Needs

Establishing priorities within agriculture information community
Coordinated reference collections
Broader range of resources
Practical agriculture information
Multilingual indexes
Knowledge/access to agricultural databases
Staff development—technology-related, marketing skills
Knowledge of research-in-progress
Need to provide information to facilitate transition
Need for computerized network
Define requests for an automated agriculture system
Need for knowledge of collections
Defining agricultural information—identifying areas of overlap
Document delivery

Better methods of processing &
delivering information
Standard research reporting
National agriculture policy—each country
Define library's role in extension

Priorities

Broader range of resources
Better methods of processing &
delivering information
Staff development
National agriculture information policy
Practical agriculture information
Define library's role in extension
Establish priorities within agriculture information community

Next Steps

Cooperative agreements
Seek funding for exchange of experts
Develop/outline projects
Keep personal contacts
Educate "host" institution
Find out what work is being done at "host" level
Consulting for each other
Establish ongoing forum
Enhance purchase/delivery of materials

World Turns to NAL to Preserve Agricultural Knowledge

With improved relations between the United States and many eastern European countries have come a flood of international visitors to the National Agricultural Library in Beltsville, Maryland. The visitors are agricultural librarians looking to NAL for advice in protecting their agricultural information while at the same time making the information more accessible to those who need it.

One such recent visitor was Helena Slezáková, a librarian at the Institute of Scientific and Technical Information for Agriculture in Prague, Czechoslovakia. Slezáková came to NAL because her country's agricultural knowledge is in jeopardy. "We have also a very precious collection of old agricultural publications," Slezáková indicated proudly, "but unfortunately we do not have such nice rooms for them as you have here. A big problem is also the environment, which is much more severe in Czechoslovakia, and air pollution, which also damages the publications."

NAL Director Joseph H. Howard stated that Czechoslovakia is not the only country concerned with losing its agricultural heritage. "It is a worldwide problem," Howard said. "Even here at NAL we are quite concerned with staying ahead of the dramatic deterioration of the nation's collection of agricultural information."

Slezáková spent two weeks at NAL learning how the library develops and applies new information management technology to meet this problem. She was impressed.

"I saw the optical scanning of text onto compact discs, and the optical scanning of abstracts for AGRICOLA [NAL's

bibliographic database]," she observed. "It was very interesting for me because I think it is a very modern technology, and I would like to have something like that at home. We are interested in new technology, and we would like to improve our methods of work."

Slczáková hopes to adapt some NAL systems for use at her country's agricultural institute. She was particularly interested in the online catalog portion of ISIS, NAL's integrated system automating many of the library's functions. The online catalog allows NAL patrons to find the information they need in minutes.

"I would like to be more acquainted with your ISIS system because we are now preparing the automation of our library's catalogs, and ISIS looks like an excellent system for that purpose," Slezáková affirmed.

As for whether or not technology from the National Agricultural Library can be adapted for use by the Czechoslovakians, Slezáková declared time would tell, but her country is proud of its agricultural library and tries to keep up with new technologies.

"Our library is a very great library. We have over one-million volumes. Our library is the third largest [agricultural library] in the world. The first, as I know, is NAL, then the agricultural library in Moscow, and then comes our library," she asserted. "But one of the big problems is our computers, which are old, and which sometimes function and sometimes do not."

Computer problems have frustrated Slezáková and her coworkers in many of their attempts to modernize their library. NAL has offered to share even more of its expertise with the Czechoslovakians as they work to overcome these problems.

To help in building stronger ties between the world's agricultural libraries, NAL sponsored a conference with eastern European agricultural librarians in Beltsville, Maryland, early this winter. Representatives from six eastern European countries attended, and participants vowed to

NAL's FTS Telephone Numbers Change

In April all NAL Federal Telecommunications Systems (FTS) numbers changed to be identical with the local numbers. The former FTS exchange (i.e., 964) no longer exists. Beltsville numbers are area 301 (Maryland) and the exchange is 504. Washington numbers are area 202 (DC) and the exchange is 720. Persons using FTS outside the Washington metropolitan area must use the area code with the local number. If FTS users are using the last "List of Key NAL Personnel and Services" published in the October 1991 *ALIN*, Vol. 17, No. 10, pp. 22-23, cross off the FTS columns and use the local numbers.

—Joseph N. Swab



photo: J. Swab

Brian Norris, Public Affairs Officer for NAL, interviews Helena Slezáková, a librarian at the Institute of Scientific and Technical Information for Agriculture, Prague, Czechoslovakia, for the above article during her recent visit to NAL.

continue international cooperation in preserving and exchanging agricultural knowledge. Countries represented at the conference were Bulgaria, Czechoslovakia, Hungary, Poland, Romania, and Yugoslavia.

Within the last year, NAL also has hosted agricultural librarians from the former Soviet Union, the People's Republic of China, the Netherlands, Nigeria, and other countries. They have all taken back home a wealth of information to contribute to the progress of their own institutions.

— Brian Norris

Retrieval Software Chosen for National Agricultural Text Digitizing Program

The U.S. Agricultural Information Network (USAIN) has selected the retrieval software package to be used in the National Agricultural Text Digitizing Program (NATDP), a national effort to make collections of agricultural information more accessible using CD-ROM technology.

USAIN is a network of agricultural information specialists from private companies, land-grant university libraries, and government agencies that works closely with the National Agricultural Library to preserve, share, and improve access to agricultural information throughout the nation.

"Windows Personal Librarian," a computer retrieval package developed by Personal Library Software, Inc., of Rockville, Maryland, was deemed the software that best fit the needs of NATDP. Twelve different retrieval software packages were evaluated as part of the two-year selection process.

According to program managers, among the main reasons the PLS software was selected were its "relevance ranking, its intelligent retrieval capability" and the fact that it is "a proven windows product."

Matthew Koll, President of PLS, said, "PLS is proud to have been selected for such important applications. Our goal as a company is to help people find the information they need. We think our selection for NATDP is a major step in that direction."

CD-ROMs developed and distributed to land-grant university libraries under an NATDP pilot project cover agent orange, acid rain, aquaculture and food irradiation.

According to the director of NATDP, Dr. Brice Hobrock of Kansas State University, these pilot disks were well received and extensively used by land-grant universities participating in the pilot study.

"This convinced us to move ahead in making agricultural text digitizing a fully operational national program. The selection of the retrieval software package is a significant milestone in bringing this about," Hobrock said.

Disk on other subjects will be developed under the continuing program. The disks contain the full-text and images of materials on these subjects.

"A major concern in using image materials on microcomputer monitors is the level of resolution," said Julia Peterson, USAIN president. "The advantage of Windows Personal Library software is that the workstation needed to use the NATDP disks can be configured with a variety of monitors. The system configuration can be decided by the user's pocketbook."

The basic hardware configuration for use of CD-ROMs developed under NATDP is a system based on a 80386 processor with 4 Mb system RAM, a mouse or other pointing device and a 40 Mb hard disk. The display should be VGA color, and a 5.25 inch diskette drive is needed to load software updates. DOS 3.3 software (or later) and Windows 3.0 software (or later) are also required.

NATDP managers said that this combination of hardware and software allows the display of page images at a low-resolution and represents a "minimal configuration for Windows applications." Current prices for the basic system range between \$1,800 and \$2,000.

The preferred hardware configuration is a 8036 processor with 8 Mb system RAM, a mouse or other pointing device and a 100 Mb hard disk. A high resolution monochrome monitor intended for desktop publishing will give a high resolution display in the 100-150 DPI range. The cost of this configuration is around \$4,000.

To print from either system, a Hewlett-Packard LaserJet (or 100 percent compatible) printer with at least 1.5 Mb RAM is needed. One way to obtain faster printer response is by using a LaserMaster printer controller board, available for about \$1,000.

Since 1987, NAL and the land-grant university libraries have cooperated on NATDP in an effort to give agricultural scientists and researchers throughout the nation better access to important collections of agricultural information. Originally an experimental project, NATDP became fully operational in 1991.

— Brian Norris
for USAIN, Minneapolis, MN
March 24, 1992

NAL at SLA and ALA

The announcements below for exhibits and meetings to be held by NAL and USAIN, or in which NAL staff members are speaking or providing leadership, are listed in advance of scheduling by SLA and ALA. Please consult the SLA and ALA final convention programs for times and locations of meetings.

SLA

At the Special Libraries Association Annual Meeting in San Francisco, June 6-11, the National Agricultural Library plans the following activities:

Saturday, June 6, 1992, 8:00 a.m. to 5:30 p.m. The Plant Genome Data and Information Center (Dr. Susan McCarthy, Coordinator) will conduct a one-day workshop on GenBank, a national nucleotide sequence database, Protein Identification Resource (PIR), the database for sequenced

protcins, and *Intelligenetics Software Suite*, the retrieval software used to search these databases. The workshop will be held at the Intelligenetics Corporate Headquarters, Mountain View, CA. Registration: \$45. Contact: Phone: (301) 504-6875; Fax: (301) 504-7098; Internet: smccarthy@asrr.arsusda.gov

Monday, June 8, 10:30 a.m. to 1:00 p.m. Susan McCarthy will be making a presentation "USDA's Plant Genome Research" at the Biotechnology Roundtable, "The Human and Plant Genome Projects." McCarthy is scheduled for 11:20.

Monday, June 8, 3-4:30 p.m. Food/Nutrition Roundtable, "Powerful Partnerships," Robyn Frank, Moderator.

Tuesday, June 9, 3-4:30 p.m. Agriculture Roundtable, "Focus on the Pacific Rim." Followed by USAIN meeting and NAL report (given by Robyn Frank).

NAL will not have an exhibit at SLA this year.

ALA

At the American Library Association Annual Meeting in San Francisco, June 25-July 2, the National Agricultural Library plans the following activities:

Saturday, June 27, 2-4:00 p.m. Pamela Andre will be speaking on "Reflections on Imaging in Libraries for Preservation" at the ALCTS Reproduction of Libraries Materials Section meeting *Master the Raster: Electronic Imaging Technology in Libraries*.

Sunday morning, June 28, 9:30 a.m. Tanner Wray of NAL's Document Delivery Services Branch will hold a one-hour Regional Document Delivery System (RDDS) Update. This meeting is for participants in the RDDS program and

ACRL Pre-Conference Tour of the California Marine Mammal Center

The ACRL Science and Technology Program Planning Committee is sponsoring a tour of the Marine Mammal Center and an afternoon in Sausalito at the American Library Association's Annual Conference in San Francisco. The tour is scheduled for Friday, June 26, from 8:30 a.m. to 3:00 p.m. The Marine Mammal Center, located on the Marin Headlands, is a rescue and rehabilitation location for marine mammals. Since it will be pupping season in California, many orphaned pups will be in residence.

Afterwards the tour moves on to downtown Sausalito, a charming bay-side village filled with shops, restaurants, marinas, and wonderful views of San Francisco and Angel Island. A leisurely no-host lunch at any of the many restaurants in Sausalito is planned, then time for browsing through interesting shops and galleries, or just enjoying the sights and sounds of the San Francisco Bay.

The cost of the tour is \$18 (lunch is not included), and the registration deadline is May 22, 1992. If you wish to go, send your check to Tae Ock Kim, Michael Orradre Library, Santa Clara University, Santa Clara, CA 95053. (Make checks payable to Tae Ock Kim).

The tour bus will depart from the Moscone Convention Center at 8:30 a.m. Friday morning. Don't miss this opportunity to visit two unique sites of the San Francisco coastal area.

USDA field librarians and is closed to others.

Sunday morning, June 28, 10:30 a.m. Following the RDDS meeting Carol Ditzler will hold a one-hour NAL Document Delivery Services Update. It will be an open meeting for anyone interested.

Tuesday, June 30, 2-4:00 p.m. USAIN meeting and NAL update. Pam Andre and Keith Russell will present the NAL reports.

NAL will have an exhibit in the ALA exhibit hall. Check the program for booth number. The booth will be staffed by NAL personnel as follows: Saturday, June 27, 9-4:00; Sunday and Monday, June 28-29, 9-5:00; Tuesday, June 30, 9-3:00.

Maria Pisa, chair, 1992 STS Program Planning Committee, announced the schedule of activities for the ACRL Science and Technology Section. See boxes on this page.

—Joseph N. Swab

ACRL Science and Technology Section 1992 Program at ALA

"Issues in Sci-Tech Information: Librarians Right To Know," is the theme of the 1992 ACRL Science and Technology Section program at the American Library Association's Annual Conference in San Francisco, Tuesday, June 30, from 8:30 a.m. to 12:30 p.m.

Speakers will examine technological, legal, political, and other trends affecting the collection, analysis, and dissemination of scientific and technical information as well as some specific barriers to its access. Participants include:

Jane Bortnick (Assistant Chief, Science Policy Research Division, Library of Congress), who will speak on *Sci-Tech Information: Technology, Research, and Policy Trends*;

Tracey Cosgrove (Director, Planetree Health Resource Center, San Francisco), who will address *Cultural and Gender Diversity Issues in Providing Access to Health Information*;

Ronald Akie (Deputy Director, Publisher Service Center, Faxon Company), who will speak on *The Publishing Industry in Emerging Democracies: What Librarians Need to Know*;

D. Michael Fry (Department of Avian Sciences and Institute of Toxicology and Environmental Health, University of California, Davis), who is an expert on the effects of oil spills on wildlife. Dr. Fry will discuss *Natural Resource Damage Assessments: Litigation, Science, and the Public Right to Environmental Information*;

Ron Rodrigues (Senior Information Specialist for Engineering and Defense, Dialog Information Services). Mr. Rodrigues' talk, *Database Selection and Science/Technology*, will cover the criteria Dialog uses for selecting scientific databases, including database characteristics, likely and unlikely candidates, marketability, publisher track record, reference value, and size.

For further information on the 1992 STS Conference Program, contact Maria G. Pisa, Chair of the 1992 STS Program Planning Committee, at the National Agricultural Library, Room 200, 10301 Baltimore Boulevard, Beltsville, MD 20705 (301-504-6780).



New Publications of Note

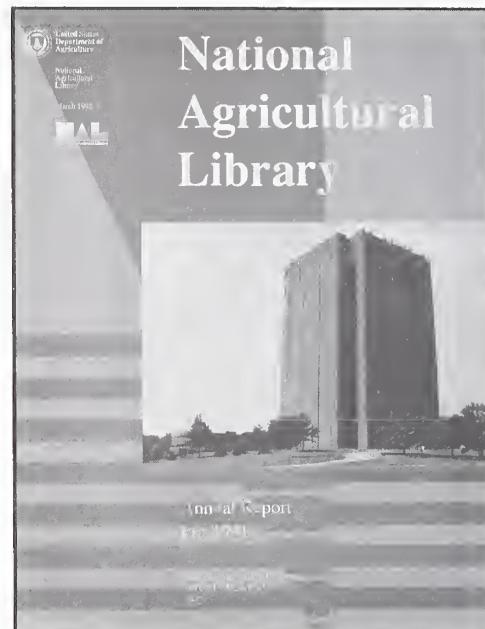
NAL Annual Reports Available

The National Agricultural Library *Annual Report for 1991* is now available. The 59-page report highlights 54 programs and activities of the library in the areas of developments, services, collection management, and technology and provides statistical data in 9 tables and 4 graphs.

Copies of the *Annual Report for 1990* are also still available.

To obtain a copy of either or both reports while supplies last, send a request with a self-addressed label to:

Shirley Evans, Secretary
Public Affairs, Room 204
National Agricultural Library
10301 Baltimore Boulevard
Beltsville, Maryland 20705-2351



1992 List of Journals Indexed in AGRICOLA Available

The *List of Journals Indexed in AGRICOLA 1992* (LJI) is now available from the National Agricultural Library. AGRICOLA (*AGR*Cultural *OnLine* Access) is NAL's computerized bibliographic database.

The 1992 LJI updates previous editions and includes sections for titles added during 1991, titles no longer indexed, an alphabetical listing by journal title, an abbreviated title listing, a listing by subject category, and a list of journals abstracted in AGRICOLA. The new LJI includes 2,012 journals currently indexed by NAL and NAL cooperators for inclusion in AGRICOLA.

Journals are listed alphabetically by full title in the main section of the publication. In addition, each entry includes the abbreviated title, NAL call number, International Standard Serial Number (ISSN), place of publication, publisher's name, indexing coverage of the journal (i.e.—indexed selectively or cover-to-cover), and indicates if author abstracts are included in the AGRICOLA records.

The listing is an important reference tool for indexers, catalogers, reference librarians, and other users of AGRICOLA. The database contains records for agricultural literature citations of journal articles, monographs, theses, patents, computer software, audiovisual materials, technical reports, maps, manuscripts, and microforms.

The LJI includes titles indexed for AGRICOLA as of January 1992. NAL's Indexing Branch updates the list annually to reflect additions, deletions, and other changes. Requests for more information or to have new titles con-

sidered for indexing should be sent to the address below, or call (301) 504-5178.

Copies of the LJI can be obtained by sending a self-addressed label with a request to:

Indexing Branch, Room 011
Attn: LJI92
National Agricultural Library
10301 Baltimore Boulevard
Beltsville, MD 20705-2351

World List of Agricultural Serials Now on CD-ROM

The National Agricultural Library's *World List of Agricultural Serials* (WLAS) computer database has been released on Compact Disk-Read Only Memory (CD-ROM) by SilverPlatter International, Inc.

WLAS is a comprehensive list of current and retrospective serials on agricultural sciences and related areas, such as economics, management, and information sciences. It was compiled by NAL in cooperation with the CAB International, the Food and Agriculture Organization of the United Nations, and other international institutions.

The database contains records with bibliographic information for over 56,000 titles with annotations indicating whether the title is indexed in any of the three major agricultural databases: AGRICOLA, CAB ABSTRACTS, and AGRIS.

Each WLAS record consists of bibliographic descriptions such as the language the serial is printed in, country of publication, frequency, title, publisher, etc. Additional data elements, such as International Standard Serial Number (ISSN), years of publication, etc., are provided when avail-

able. The level of description and amount of data varies, depending on the source.

For additional information, or to question or comment on the contents of the database, contact:

*Idalia Acosta, Head
Cataloging Branch, Room 110
National Agricultural Library
10301 Baltimore Boulevard
Beltsville, Maryland 20705-2351*

To purchase the WLAS CD-ROM or for information specific to the CD-ROM product contact:

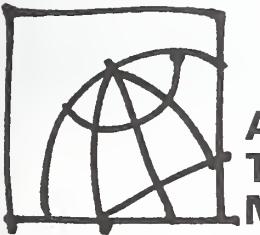
*SilverPlatter International
100 River Ridge Drive
Norwood, MA 02062-5026
Telephone 1-800-343-0064*

—Idalia Acosta

with subject and information specialists of the national and international agricultural community revealed a significant need for a greater exchange and sharing of agricultural and commercial information and data on exporting and trade," Lassanyi stated. "The directory is our center's effort to begin filling that need. It provides sources of information and services to the marketing and trade community and to support the U.S. Department of Agriculture's trade and exporting experts."

Copies of the directory are available by sending a request with a self-addressed mailing label to:

*Agricultural Trade and Marketing Information Center
National Agricultural Library, Room 304
10301 Baltimore Boulevard
Beltsville, Maryland 20705-2351*



**Agricultural
Trade &
Marketing**

NAL Offers Free Exporting Directory

The addresses and telephone numbers of key contacts in agricultural exporting and lists of selected exporting databases and publications are contained in the "Directory of Export and Trade Assistance" available free-of-charge from the National Agricultural Library. "The directory is intended to assist U.S. businesses involved in exporting agricultural products," said Mary Lassanyi, coordinator of NAL's Agricultural Trade and Marketing Information Center (ATMIC), which developed the directory.

Included in the directory are a list of selected export and trade assistance resources in the Washington, D.C. area, the addresses and telephone numbers of state departments of agriculture and state government trade offices, lists of trade associations, trade organizations, and international trade development centers, selected databases related to international trade, and a listing of agricultural exporting books, directories, guides, hearings, reports, and journals.

"Meetings and discussions

Eastern Europe Ag Business Guide Available from ATMIC

NAL's Agricultural Trade and Marketing Information Center (ATMIC) has prepared a publication to assist U.S. agribusinesses interested in exporting to or doing other business with Eastern European countries.

For each of eight Eastern European countries, the publication, called "Eastern Europe: Going Global," contains listings of selected readings on business climates in the countries, addresses to contact for information (including information on agricultural trade fairs in the countries) and briefing notes on each of the countries. These notes include the principal crops of the countries and key trading partners.

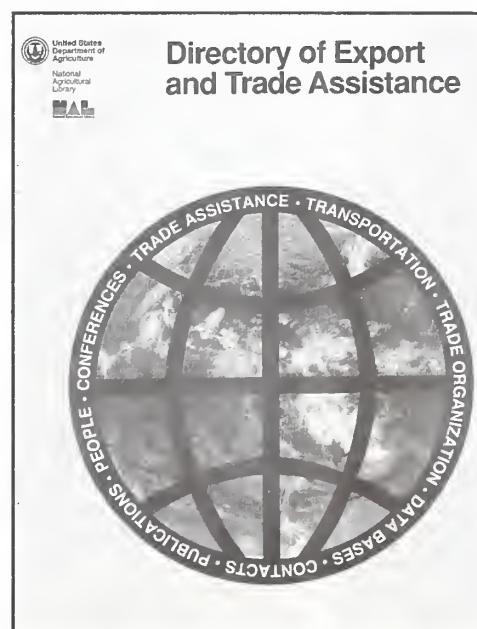
The countries covered in "Eastern Europe: Going Global" are Albania, Bulgaria, Czechoslovakia, Hungary, Poland, Romania, the USSR, and Yugoslavia.

"We prepared the guide because of the increased interest shown by U.S. companies in doing business in these countries," said Mary Lassanyi, ATMIC coordinator and author of the publication. "This interest was no doubt a result of the profound changes that have occurred in Eastern Europe recently."

This publication was issued as SRB 92-01 in the NAL series *Special Reference Briefs*.

Copies of the publication are available by sending a request, with a self-addressed label, to:

*Agricultural Trade and Marketing
Information Center
National Agricultural Library,
Room 304
10301 Baltimore Boulevard
Beltsville, MD 20705-2351*



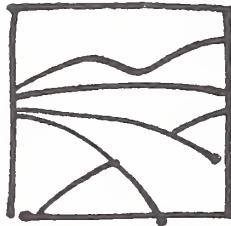
NAFTA Fact Sheet Available from ATMIC

The North American Free Trade Agreement (NAFTA) is the subject of a fact sheet available from the Agricultural Trade and Marketing Information Center (ATMIC) of the National Agricultural Library.

The fact sheet, prepared by ATMIC Coordinator Mary Lassanyi, gives a chronology of events leading to NAFTA talks; lists dozens of reference articles on NAFTA, the U.S./Canada Free Trade Agreement, and the U.S./Mexico Free Trade Agreement; and gives addresses and telephone numbers to contact in Canada, Mexico, and the United States for information on these subjects.

Copies of "Fact Sheet—North American Free Trade Agreement (NAFTA), Mexico-United States-Canada Trade Accord" are available by contacting:

*Agricultural Trade and Marketing Information Center
National Agricultural Library, Room 304
10301 Baltimore Boulevard
Beltsville, Maryland 20705-2351
Telephone (301) 504-5509*



Health Resource Guides Available to Rural Leaders

The National Agricultural Library is offering, free of charge, two new "resource guides" to aid rural community leaders in dealing with problems associated with rural health services.

Rural Health Services Funding: A Resource Guide and *Agricultural Safety and Health: A Resource Guide* are the latest in a series of rural development publications prepared by the Rural Information Center Health Service (RICHS) of NAL's Rural Information Center (RIC), and supported by the Office of Rural Health Policy of the U.S. Department of Health and Human Services.

The guides list selected publications and audio-visual materials which provide information on the guides' respective subjects. *Agricultural Safety and Health* has a section listing the addresses and telephone numbers of national and regional organizations concerned with agricultural health and safety issues. *Rural Health Services Funding* contains a

listing of "selected foundations contributing to rural health projects."

"The guides give rural community leaders and health professionals a good starting point from which to develop rural health programs," said Pat John, RIC coordinator. "Basically, what we've done with these guides and the others in the series is to save community leaders and health professionals hours and hours of research in looking for background and practical information."

John indicated that *Rural Health Services Funding* "highlights the resources most useful in conducting a successful search to find funding for rural health programs, a major challenge facing rural health providers."

She also said that *Agricultural Safety and Health* "provides links to information addressing health and safety risks facing the nation's agricultural workforce. Over 1,300 farmers and farm workers die each year in farm related accidents, and 120,000 are injured."

Both resource guides are available by sending a self-addressed mailing label, with a request specifying the desired guide, to:

*Rural Information Center, Room 304
National Agricultural Library
10301 Baltimore Boulevard
Beltsville, Maryland 20705-2351
Telephone (toll free) 1 800-633-7701
or (301) 504-5547*

(Washington, DC, local area and international callers)

Other subjects covered in the RIC series of resource guides are *Federal Funding Sources for Rural Areas, Journals Significant to Rural Development Received at the National Agricultural Library, Alternatives to Waste Disposal*, and *Fee Hunting and Fishing on Private Land*.

RIC Produces Rural Studies Guides

The developing field of rural studies is the subject of two new guides published by NAL's Rural Information Center (RIC).

"A Rural Studies Bibliography" is a listing of 163 books and articles related to all aspects of rural studies. It was published as Number 112 in the series *Bibliographies and Literature of Agriculture*.

Emery N. Castle, chair of the National Rural Studies Committee, which assisted in developing both guides, said the bibliography is intended to "serve as a beginning point for graduate students and professionals interested in pursuing topics of rural studies. It is meant to guide interested individuals to seminal research undertaken by the range of disciplines that address rural studies topics."

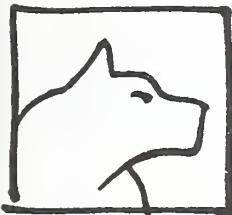
The second guide produced by RIC and the National Rural Studies Committee is the *Directory of Rural Studies Scholars and Educators*. The directory is a compendium of scholars and educators in a range of disciplines and located throughout the United States who teach rural studies subjects or do research in rural issues.

The publications are available, free of charge, by sending a request with a self-addressed label to:


**A Rural Studies
Bibliography**



*Rural Information Center, Room 304
National Agricultural Library
10301 Baltimore Boulevard
Beltsville, Maryland 20705-2351*



**Animal
Welfare**

Spanish Video on Lab Animal Care Available

A new videotape, narrated in Spanish, on the "Humane Care and Use of Laboratory Animals" is now available from the Animal Welfare Information Center.

The 30-minute video was produced by the Laboratory Animal Training Association, with AWIC assistance, under an NAL grant. The video is designed to provide Spanish speaking technicians with information on the humane care and use of laboratory animals in accordance with USDA regulations and U.S. Public Health Service recommendations. Services and information available through AWIC are also covered in the video.

VHS versions of the video (cataloged as Video Cassette No. 1129) may be borrowed from NAL by sending an interlibrary loan request to:

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Bibliography on Ferrets as Lab Animals Available from AWIC

A bibliography of information on the use of ferrets in medical research is available from the Animal Welfare Information Center (AWIC).

"Ferrets as Laboratory Animals: A Bibliography" was developed to assist veterinarians and research-

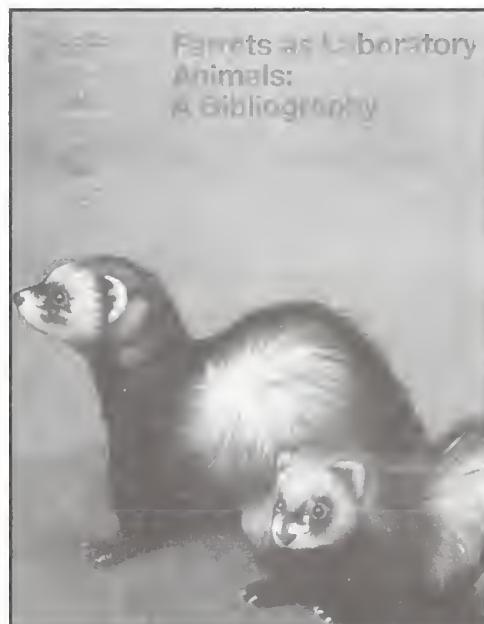
ers in caring for ferrets used in biomedical research. The bibliography would also be useful to veterinarians who treat ferrets as pets.

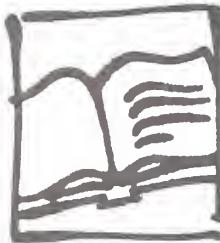
The bibliography was produced jointly by AWIC staff and Dr. James G. Fox of the Massachusetts Institute of Technology. It contains selected literature on topics ranging from ferret physiology to care and handling of the animal.

The bibliography was published as Number 113 in the series *Bibliographies and Literature of Agriculture*.

Copies are available by sending a request with a self-addressed label to:

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New Bibliographies

The bibliographies in the *Quick Bibliography* series are primarily computerized online as batch bibliographies emanating from searches performed by the NAL Public Services Division Staff in response to customer requests. Searches are selected for inclusion based on the currency of the topic, interest among clientele, and probable value to a larger audience. Since October 1988, all QB's include search strategies. Unless otherwise specified, citations are from AGRICOLA.

The other bibliographic series, including *Special Reference Briefs*, have been researched and produced to meet special needs of clientele of the Library and its Information Centers. Revisions or updates will be announced when produced. Only one copy of a requested title will be sent; however, requesters may make copies. To request a copy of a *Quick Bibliography*, *Special Reference Brief*, or other bibliographic work, circle the desired title(s) below and send your request with a self-addressed label to:

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National Agricultural Library
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Beltsville, MD 20705-2351

Quick Bibliographies

Q.B.-92-32. Artificial Insemination, January 1987-January 1992. 258 citations in English. Prepared by Deborah Y. Richardson. Reference and User Services Branch. March 1992.

Q.B.-92-33. Zoonoses: Disease Transmission from Animal to Man, January 1987-January 1992. 269 citations in English. Prepared by Deborah Y. Richardson. Reference and User Services Branch. March 1992.

Q.B.-92-34. Plant Genome Analysis Techniques: Electroporation Methods and Applications, January 1986-December 1991. 150 citations in English. Prepared by Deborah Y. Richardson. Plant Genome Data and Information Center. March 1992.

Q.B.-92-35. Animal Welfare Legislation and Regulations, January 1987-February 1992. 293 citations; languages: none excluded. Prepared by Cynthia P. Smith. Animal Welfare Information Center. March 1992. Updates Q.B. 91-63.

Q.B.-92-36. Global Warming and the Greenhouse Effect, January 1986-January 1992. 442 citations in English. Prepared by Jayne T. MacLean. Alternative Farming Systems Information Center. March 1992. Updates Q.B. 90-56.

Q.B.-92-38. Rural Industrialization, January 1984-December 1991. 234 citations in English. Prepared by Patricia La Caille John. Rural Information Center. March 1992. Updates Q.B. 90-84.

Q.B.-92-39. Rural America's Elderly, January 1979-December 1991. 286 citations in English. Prepared by Patricia La Caille John. Rural Information Center. March 1992. Updates Q.B. 90-74.

Q.B.-92-42. Biotechnology: Patenting Issues, January 1979-March 1992. 168 citations; languages: none excluded. Prepared by Robert D. Warmbrodt and Lara Wiggert. Biotechnology Information Center. April 1992. Updates Q.B. 91-77.

Special Reference Briefs

S.R.B.-92-06. Nutrition Education Materials and Audiovisuals for Grades Preschool-6. Prepared by Shirley King Evans. Food and Nutrition Information Center. March 1992.

S.R.B.-92-07. Nutrition Education Materials and Audiovisuals for Grades 7-12. Prepared by Shirley King Evans. Food and Nutrition Information Center. March 1992.

S.R.B.-92-08. Economic Comparisons of Biological and Chemical Pest Control Methods in Agriculture: An Annotated Bibliography. Prepared by Kim Norris, Roberta Cook and Jayne MacLean. Alternative Farming Systems Information Center. March 1992.

Rural Information Center Publication Series

R.I.C.P.S.-1. Hazardous Waste Incineration. Compiled by M. Louise Reynells. Rural Information Center. December 1991.

R.I.C.P.S.-2. Financial Management for Local Governments. Compiled by Scott J. McCarney. Rural Information Center. December 1991.

R.I.C.P.S.-8. Arts and Humanities Programs in Rural America. Compiled by Gemma Stapleton-Otway. Rural Information Center. December 1991.

R.I.C.P.S.-16. Agricultural Safety and Health: A Resource Guide. Compiled by Joy Zimmerman. Rural Information Center. March 1992.

R.I.C.P.S.-17. Electronic Access to Rural Information: User's Manual for the ALF Electronic Bulletin Board. Compiled by Teresa B. Brown. Rural Information Center. March 1992.

R.I.C.P.S.-18. Farm Holidays and Ranch Vacations. Compiled by Dirkje van Donselaar. Rural Information Center. March 1992.



Publications Exchange

Serial Gaps

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American Journal of Anatomy. Vol. 169 (1), 1970.

Chemischer Informationsdienst. Vol. 11 (44), 1980; Vol. 17, 1986; Vol. 18 (11), 1987.

Indian Journal of Plant Physiology. Vol. 26 (3), 1983; Vol. 29 (3), 1985.

Indian Journal of Weed Science. Vol. 15 (1), 1983; Vol. 16 (1), 1984.

Israel Journal of Veterinary Medicine. Nos. 33, 38-45, years unknown.

Journal of Food Protection. Vol. 44 (8), 1981.

Surplus Publications

The National Agricultural Library will make available the following surplus publications to any interested organization that regularly sends free publications to NAL, including most Federal, land-grant, and agricultural research institutions as well as many others. Foreign institutions will need to provide a U.S. mailing address or make other special arrangements with U.S. sources for shipment of material. Listed titles may be requested up to six months following announcement.

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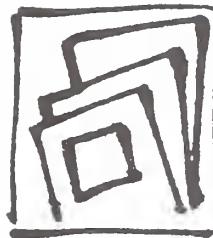
Or call Ruth Finnblade, (301) 504-7061.

Biological Control on Postharvest Diseases of Fruits and Vegetables Workshop Proceedings. June 1991.

Crop Science. Vol. 1-29, 1961-89.

Journal of Environmental Quality. Vol. 1-9, 1972-80.

Poultry Science. Vol. 1-69, 1959-90.



New Serials Received at NAL

Advances in Library Resource Sharing. Westport, CT; London, UK: Meckler. Annual. Vol. 1 (1990)-
Z672.A38

Animal Biotechnology. New York, NY: Marcel Dekker. Semiannual. Vol. 1, no. 1- c1990-
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Mammalian Genome: Official Journal of the International Mammalian Genome Society. New York: Springer-Verlag. Four issues a year. Vol. 1, no. 1- c1991-

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Neuropeptides. Edinburgh; New York: Churchill Livingstone. Bimonthly. Vol. 1, no. 1 (July 1989)-
QP552.N39N48

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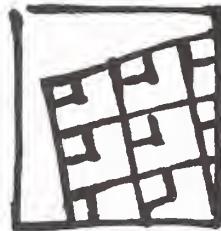
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Third World Science & Environment Perspectives. [New Delhi]: Centre for Science Technology and Environmental Policy Studies. Quarterly. Vol. 1, no. 1- 1989-

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Transplantation Proceedings. Orlando, FL [etc.]: Grune & Stratton [etc.]. Quarterly. Vol. 1 (Mar. 1969)- Bimonthly (Feb. 1984)-

RD120.7.T68



Agriculture Datebook

May 18-June 12: Sustainable Agriculture Utilizing a Systems Approach. Fort Collins, CO. Contact: ICARD, 303-491-5865, FAX 303-491-6441.

May 22: Alternatives for Dermal Irritation Testing. Sponsored by the Industrial In Vitro Toxicology Group. Cincinnati, OH. Contact: FAX: 513-245-1167.

May 22: Southeastern Egg and Poultry Association. Plant Manager's Conference. Atlanta, GA. Contact: Harold Ford, 404-377-6465.

May 26-30: Seventh International Conference of the Institute for Earth Education. Bewdley, Worcestershire, England. Contact: IEE, 708-393-3096.

May 27-30: Animal Biotechnology: Opportunities & Challenges - The National Agricultural Biotechnology Council 4th Annual Meeting. College Station, TX. Contact: Barbara Stowe, 409-847-8921.

May 30-31: 1992 Prairie Festival. The Land Institute, Salina, KS. Contact: Prairie Festival, The Land Institute, 2440 E. Water Well Rd., Salina, KS 67401.

June 1-3: Energy in Rural America: Profits and Opportunities in Agriculture, Fuels, and Utility Issues. Des Moines, IA; The Embassy Suites Hotel. Contact: Gail Ettinger, 708-864-5651.

June 1-5: International Federation of Agricultural Producers. World Congress, Quebec City. Contact: CFA, 613-236-3633.

June 2: Foreign Animal and Poultry Diseases Committee. Key West, FL. Contact: 202-690-4031.

June 3-14: "Earth Summit," United Nations Conference on Environment and Development. Rio de Janeiro, Brazil. Contact: Thomas Forster, 212-989-4960.

June 4-7: Diversity in Food, Agriculture, Environment, and Health. Kellogg Center, MSU, East Lansing, MI. Contact: Lawrence Busch, Dept. Sociology, Michigan State University, East Lansing, MI 48824-1111.

June 6-10: Pacific Rim International Horticultural Exhibition. Victoria, British Columbia. Contact: Exhibition headquarters, 604-388-7355.

June 13-16: American Association of Botanical Gardens and Arboreta Annual Meeting. Columbus, OH. Contact: Molly Offutt, Holden Arboretum, 9500 Sperry Road, Mentor, OH 44060. FAX: 216-256-1655.

June 14-16: Canadian Farm and Industrial Equipment Institute's Annual Conference. Chateau Montebello, Quebec. Contact: 416-632-8483.

June 14-17: Fourth International Atlantic Salmon Symposium: Salmon in the Sea and New Enhancement Strategies. St. Andrews, New Brunswick, Canada. Contact: J. M. Anderson, 506-529-4581.

June 14-17: International Conference on Food Biotechnology. Baltimore, MD. Contact: Laura Kurie, FAX 301-913-0351.

June 15: Second Annual Cultivation Workshop & Demonstration. Thompson Farm, Rt. 2, Box 132, Boone, IA. Contact: Thompson Field Days, Rodale Institute, 222 Main Street, Emmaus, PA 18098, 215-683-6383.

June 15-21: USA/Hungarian Joint Congress on Environmental Hydrology & Hydrogeology. Budapest, Hungary. Contact: 202-720-8885.

June 15-25: Sustainable Agriculture Study Tour. Fort Collins, CO. Contact: ICARD, 303-491-5865.

June 16-17: Crop Advisory Committee Chairs Meeting. Beltsville, MD. Contact: Allan Stoner, 301-504-6235.

June 17: REA Rural Development Conference. Nashville, TN; Opryland Hotel. Contact: 202-720-4581.

June 17-19: National IPM Forum. Sponsors: EPA and USDA. Stouffer Concourse Hotel, Arlington, VA. Contact: Agricultural Research Institute, 9650 Rockville Pike, Bethesda, MD 20814, 301-530-7122; FAX: 301-571-1858.

June 18-19: NIH Regional Workshop on "Institutional Responsibility: Meeting the Intent of Federal Regulations for Animal Care and Use." New York, NY; Columbia University. Contact: Patrick Dwyer, 212-305-3682.

June 18-19: Plant Germplasm Operations Committee Meeting. Beltsville, MD. Contact: A. Stoner, 301-504-6235.

June 18-21: Fifth Annual Atlantic Aquaculture Fair. St. Andrews, New Brunswick, Canada. Contact: AAF, 506-529-4578.

June 19-21: National Carrying Capacity Issues Conference. Washington, DC. Contact: CCN, 1325 G Street, NW, Suite 1003, Washington, DC 20005, 800-466-4866.

June 20-24: Institute of Food Technologists. New Orleans, LA. Contact: 202-720-8885.

June 20-24: Pacific Rim Food and Agricultural Biotechnology Conference Series. Davis, CA; University of California. Contact: Carolyn Norlyn, 916-757-3331.

June 20-25: 1992 World Congress on Cell and Tissue Culture. Washington, DC. Contact: 301-992-0946.

June 21-24: Southern Association of State Departments of Agriculture Annual Meeting. White Sulphur Springs, WV; Greenbrier Hotel. Contact: NASDA, 202-628-1566.

June 22-August 14: "Introduction to Sustainable Agricultural Systems." Student Experimental Farm, UC, Davis. Contact: Mark Van Horn, Dept. of Agronomy, University of California, Davis, CA 95616, 916-752-7645.

June 23: Rural Business Survival and Development Conference. Rochester, NY. Contact: 202-720-4581.

June 24-25: Cooperative Strategy Workshop & Economist and Planners Conference. Boston, MA. Contact: 202-245-5358.

June 24-26: Corn Utilization Conference. St. Louis, MO. Contact: 314-275-9915.

June 25-26: "Rural Routes 92—A Showcase of Resource Planning." Contact: SWCIB, 519-767-5020.

June 25-27: Slice of Life, Third Annual User, Contributor & Developer Workshop. Salt Lake City, UT; University of Utah. Contact: 801-581-8664.

June 26: Annual Meeting of Cooperative Communicators. Washington, DC. Contact: 202-245-5358.

June 26-28: 76th International Agricultural Communicators in Education Conference. Theme: "New Directions for Balance." Washington, DC; J.W. Marriott Hotel. Contact: C.W. Bowman Company, 703-979-1639.

June 26-July 2: American Seed Trade Association Annual Convention. Washington, DC. Contact: 202-638-3128.

June 27-July 2: American Seed Trade Association 109th Annual Meeting. Washington, DC. Contact: ASTA, 202-223-4080.

June 28-July 1: Third Biennial U.S. Agricultural Communicators Congress. Washington, DC; J.W. Marriott Hotel. Contact: 202-785-6717, FAX 202-331-4212.

June 29-July 2: Teratology Society, 32nd Annual Meeting. Boca Raton, FL. Contact: 302-571-1841.

June 30: American Water Resource Association National Forum on Water Management Policy. Washington, DC. Contact: 202-720-4525.

July 6-9: Sixth International Conference of the International Institute of Fisheries Economics and Trade (IIFET). Paris, France. Contact: Ann Shriner, 503-737-6428.

July 6-11: EUCARPIA XIII Congress: Reproductive Biology and Plant Breeding. Angers, France. Contact: EUCARPIA, P.O. Box 128, 6700 AC Wageningen, The Netherlands; or EUCARPIA Congress Secretariat, G.E.V.E.S.—La Minière, 78285 Guyancourt, France.

July 8-11: Latin American Maize Program (LAMP) Meeting of Principal Investigators. Ft. Collins, CO. Contact: Henry Shands, 301-504-5311.

July 9-10: USDA/1890 Task Force Meeting. Pine Bluff, AK; Arkansas A&M University. Contact: 202-205-1661.

July 9-12: HERBS 92—International Herb Growers and Marketers Assn. 7th Annual Conference. Ft. Worth, TX; Worthington Hotel. Contact: Edward Stygar, IHGMA, 708-566-4566.

July 11-14: American Association of Meat Processors 53rd Annual Conv. Orlando, FL. Contact: 717-367-1168.

July 11-15: International Floriculture Industry Short Course Trade Show. Cincinnati, OH; Cincinnati Convention Center. Contact: Ohio Florist's Assn., 614-487-1117.

July 12-17: International Symposium on the Biology and Control of Aquatic Plants in conjunction with the Aquatic Plant Management Society. Daytona, FL. Contact: George Bowes, 904-392-1891.

July 14-22: International Crop Science Congress. Ames, Iowa. Contact: Kenneth Frey, Iowa State University, Ames, IA 50011, 515-294-4111.

July 16-18: American Emu Association Third Annual Conference and Exhibition. New Orleans, LA; Marriott New Orleans Hotel. Contact: AEA, 512-454-0598.

July 16-19: 1st International Conference of Animal Health Information Specialists. Reading, England. Contact: Mitsuko Williams, 217-333-2598.

July 19-21: Midwest Association of State Departments of Agriculture Annual Meeting. Rapid City, SD; Rushmore Plaza Hotel. Contact: NASDA, 202-628-1566.

July 20-22: Second "Growing Into the 21st Century" Sustainable Agriculture Symposium. Memphis, TN. Contact: NACD, 509 Capitol Ct., NE, Washington, DC 20002.

July 20-23: National Institute of Cooperative Education. Denver, CO. Contact: 202-245-5358.

July 20-24: First World Congress on Medicinal and Aromatic Plants for Human Welfare. Maastricht, Netherlands. Contact: Chlodwig Franz, Vorstand des Instituts für Botanik und Lebensmittelkunde der Veterinär-medizinischen Universität Wien, 1030, Vienna, Austria.

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Idalia Acosta, New Serials Editor.

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(Left above) Participants in the U.S./Central European Agricultural Library Roundtable visited the U.S. Capitol and stopped for a photo in the original House Chamber. (L-R) Capitol guide, Dr. Krajewski (Poland), Mr. Popov (Bulgaria), Ms. Frank (NAL), Ms. Isijanov (Yugoslavia), Dr. Svorenová (Czechoslovakia), Dr. Rasinski (Poland), Ms. Demetrovici (Romania), Dr. Gyürk (Hungary), Ms. Goia (Romania), Dr. Miniberger (Czechoslovakia), Mr. Szabó (Hungary), Ms. Pisa (NAL), Mr. Howard (NAL), and Dr. Hoch (Czechoslovakia). Photos: J. Swab

(Left) At a reception held for the roundtable by the Associates of NAL at the Longworth House Office Building, Dr. István Gyürk (Hungary) (left), talks with Dr. Jerry Walker, USDA, and Dr. Harry Mussman, Acting Assistant Secretary, Science and Education, USDA.

For more on the Roundtable see pages 1-12 of this issue of *ALIN*.